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WPI Acc No: 97-412521/199738
XRPX Acc No: N97-343714
Optical disk drive e.g. for CD-ROM - has CPU with distinction unit which identifies loaded optical disk based on output of CD signal analysis decoder
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Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
JP 9185868	A	19970715	JP 9665225	A	19960227		199738 B

Priority Applications (No Type Date): JP 95306785 A 19951030
Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
JP 9185868	A		28			

Abstract (Basic): JP 9185868 A

The optical disk drive records and reproduces information onto a recording medium. A CD signal analysis decoder (22) is provided to decode the signal obtained from the optical disk. The output of the CD signal analysis decoder is supplied to a path circuit of CPU (14). A distinction unit is provided in the CPU to identify the type of disk that is mounted based on the output of the CD signal analysis decoder. When the distinction unit identifies that the disk that is mounted is a digital information disk, a confirmation unit verifies whether the optical disk that is loaded has only audio information. The output signal of the CPU is supplied to an expansion decoder (26).

When the optical disk that is loaded is a digital disk and contains only audio information, that type signal indicating the recording compression method mode is determined. The expansion decoding mode of the expansion decoder is established according to the type signal indicating the compression method mode. When the distinction unit identifies the loaded disk as CD-DA, a mode establishment unit defines the expansion decoder to operate in through path mode to output the signal obtained from the CD signal analysis decoder.

ADVANTAGE - Detects disk type, correctly. Shortens recording and reproduction time. Improves reliability of operation.

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Title Terms: OPTICAL; DISC; DRIVE; CD; ROM; CPU; DISTINCT; UNIT; IDENTIFY; LOAD; OPTICAL; DISC; BASED; OUTPUT; CD; SIGNAL; ANALYSE; DECODE
Derwent Class: W04
International Patent Class.(Main): G11B-019/12
International Patent Class (Additional): G11B-007/00
File Segment: EPI
Manual Codes (EPI/S-X): W04-C10A1; W04-C10A3; W04-F01H1; W04-J05

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DIALOG(R)File 351:DERWENT WPI